

GG



PubMed
www.pubmed.gov

A service of the National Library of Medicine
and the National Institutes of Health

My NCBI
[Sign In] [Reg]

All Databases

PubMed

Nucleotide

Protein

Genome

Structure

OMIM

PMC

Journals

B

Search **PubMed** for **polynucleotide shuffling** **Go** **Clear** **Save S**

☒ Limits ☐ Preview/Index ☐ History ☐ Clipboard ☐ Details

Limits: **Publication Date to 2001/05/17**

About Entrez

Display **Summary** Show **20** Sort by Send to

Text Version

All: **52** Review: **1** ☒

Entrez PubMed

Items 1 - 20 of 52

Page **1** of 3 Next

Overview

Help | FAQ

Tutorials

New/Noteworthy E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

Related Resources

Order Documents

NLM Mobile

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

- ☐ **1:** Uematsu C, Nishida J, Okano K, Kambara H, Miura F, Ito T, Sakaki Y. Related Articles, Links



Comparative analysis for expressed genes by polymerase chain reaction using module-shuffling primers.

Nucleic Acids Res Suppl. 2001;(1):91-2.

PMID: 12836279 [PubMed - indexed for MEDLINE]

- ☐ **2:** Agrawal V, Kishan RK. Related Articles, Links



Functional evolution of two subtly different (similar) folds.

BMC Struct Biol. 2001;1:5. Epub 2001 Dec 21.

PMID: 11782293 [PubMed - indexed for MEDLINE]

- ☐ **3:** Coco WM, Levinson WE, Crist MJ, Hektor HJ, Darzins A, Pienkos PT, Squires CH, Monticello DJ. Related Articles, Links



DNA shuffling method for generating highly recombined genes and evolved enzymes.

Nat Biotechnol. 2001 Apr;19(4):354-9.

PMID: 11283594 [PubMed - indexed for MEDLINE]

- ☐ **4:** Webb JH, Villoutreix BO, Dahlback B, Blom AM. Related Articles, Links



Localization of a hydrophobic binding site for anticoagulant protein S on the beta -chain of complement regulator C4b-binding protein.

J Biol Chem. 2001 Feb 9;276(6):4330-7. Epub 2000 Oct 24.

PMID: 11050085 [PubMed - indexed for MEDLINE]

- ☐ **5:** Nakajima T, Iwaki K, Hamakubo T, Kodama T, Emi M. Related Articles, Links



Genomic structure of the gene encoding human 3-hydroxy-3-methyl-glutaryl coenzyme A reductase: comparison of exon/intron organization of sterol-sensing domains among four related genes.

J Hum Genet. 2000;45(5):284-9.

PMID: 11043510 [PubMed - indexed for MEDLINE]

- ☐ **6:** Park SG, Lee JS, Je EY, Kim IJ, Chung JH, Choi IH. Related Articles, Links



Affinity maturation of natural antibody using a chain shuffling technique and the expression of recombinant antibodies in Escherichia coli.

Biochem Biophys Res Commun. 2000 Aug 28;275(2):553-7.

PMID: 10964702 [PubMed - indexed for MEDLINE]

Fernandez-Bellot E, Guillemet E, Cullin C.

Related Articles, Links

7:



The yeast prion [URE3] can be greatly induced by a functional mutated URE2 allele.

EMBO J. 2000 Jul 3;19(13):3215-22.

PMID: 10880435 [PubMed - indexed for MEDLINE]

8: Colosimo A, De Luca A.

[Related Articles](#), [Links](#)



Special factors in biological strings.

J Theor Biol. 2000 May 7;204(1):29-46.

PMID: 10772847 [PubMed - indexed for MEDLINE]

9: Suga H, Hoshiyama D, Kuraku S, Katoh K, Kubokawa K, Miyata T.

[Related Articles](#), [Links](#)



Protein tyrosine kinase cDNAs from amphioxus, hagfish, and lamprey: isoform duplications around the divergence of cyclostomes and gnathostomes.

J Mol Evol. 1999 Nov;49(5):601-8.

PMID: 10552041 [PubMed - indexed for MEDLINE]

10: Bespalov IA, Bond JP, Purnal AA, Wallace SS, Melamede RJ.

[Related Articles](#), [Links](#)



Fabs specific for 8-oxoguanine: control of DNA binding.

J Mol Biol. 1999 Nov 12;293(5):1085-95.

PMID: 10547287 [PubMed - indexed for MEDLINE]

11: Jelesko JG, Harper R, Furuya M, Gruissem W.

[Related Articles](#), [Links](#)



Rare germinal unequal crossing-over leading to recombinant gene formation and gene duplication in *Arabidopsis thaliana*.

Proc Natl Acad Sci U S A. 1999 Aug 31;96(18):10302-7.

PMID: 10468603 [PubMed - indexed for MEDLINE]

12: Okada T, Hu CD, Jin TG, Kariya K, Yamawaki-Kataoka Y, Kataoka T.

[Related Articles](#), [Links](#)



The strength of interaction at the Raf cysteine-rich domain is a critical determinant of response of Raf to Ras family small GTPases.

Mol Cell Biol. 1999 Sep;19(9):6057-64.

PMID: 10454553 [PubMed - indexed for MEDLINE]

13: Bruhlmann F, Chen W.

[Related Articles](#), [Links](#)



Tuning biphenyl dioxygenase for extended substrate specificity.

Biotechnol Bioeng. 1999 Jun 5;63(5):544-51.

PMID: 10397810 [PubMed - indexed for MEDLINE]

14: Sun F.

[Related Articles](#), [Links](#)



Modeling DNA shuffling.

J Comput Biol. 1999 Spring;6(1):77-90.

PMID: 10223666 [PubMed - indexed for MEDLINE]

15: Moran JV, DeBerardinis RJ, Kazazian HH Jr.

[Related Articles](#), [Links](#)



Exon shuffling by L1 retrotransposition.


Science. 1999 Mar 5;283(5407):1530-4.

PMID: 10066175 [PubMed - indexed for MEDLINE]

16: Koyanagi M, Suga H, Hoshiyama D, Ono K, Iwabe N, Kuma K, Miyata T.


[Related Articles](#), [Links](#)

Ancient gene duplication and domain shuffling in the animal cyclic

 nucleotide phosphodiesterase family.
FEBS Lett. 1998 Oct 9;436(3):323-8.
PMID: 9801141 [PubMed - indexed for MEDLINE]


▢ 17: [Shimeld SM.](#)

[Related Articles, Links](#)

 Characterization of AmphiF-spondin reveals the modular evolution of chordate F-spondin genes.
Mol Biol Evol. 1998 Sep;15(9):1218-23.
PMID: 9729886 [PubMed - indexed for MEDLINE]


▢ 18: [Jirholt P, Ohlin M, Borrebaeck CA, Soderlind E.](#)

[Related Articles, Links](#)

 Exploiting sequence space: shuffling in vivo formed complementarity determining regions into a master framework.
Gene. 1998 Jul 30;215(2):471-6.
PMID: 9714846 [PubMed - indexed for MEDLINE]


▢ 19: [Hopfner KP, Kopetzki E, Kresse GB, Bode W, Huber R, Engh RA.](#)

[Related Articles, Links](#)

 New enzyme lineages by subdomain shuffling.
Proc Natl Acad Sci U S A. 1998 Aug 18;95(17):9813-8.
PMID: 9707558 [PubMed - indexed for MEDLINE]





▢ 20: [Szczyglowski K, Kapranov P, Hamburger D, de Bruijn FJ.](#)

[Related Articles, Links](#)

 The Lotus japonicus LjNOD70 nodulin gene encodes a protein with similarities to transporters.
Plant Mol Biol. 1998 Jul;37(4):651-61.
PMID: 9687069 [PubMed - indexed for MEDLINE]

Items 1 - 20 of 52

Page 1 of 3 Next

Display [Summary](#)  Show 20  Sort by  Send to 

[Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)
[Department of Health & Human Services](#)
[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Oct 2 2006 08:20:36



A service of the National Library of Medicine
and the National Institutes of Health

My NCBI
[Sign In] [Reg]

[All Databases](#)[PubMed](#)[Nucleotide](#)[Protein](#)[Genome](#)[Structure](#)[OMIM](#)[PMC](#)[Journals](#)[B](#)

Search **PubMed** for **polynucleotide shuffling** **Go** **Clear** **Save S**

☒ Limits ☐ Preview/Index ☐ History ☐ Clipboard ☐ Details

Limits: **Publication Date to 2001/05/17**

[About Entrez](#)

Display **Summary** Show **20** Sort by Send to

[Text Version](#)

All: **52** Review: 1

[Entrez PubMed](#)

Items 21 - 40 of 52

Previous **Page** **2** of 3 Next

[Overview](#)[Help | FAQ](#)[Tutorials](#)[New/Noteworthy](#) [E-Utilities](#)[PubMed Services](#)[Journals Database](#)[MeSH Database](#)[Single Citation Matcher](#)[Batch Citation Matcher](#)[Clinical Queries](#)[Special Queries](#)[LinkOut](#)[My NCBI](#)

☐ **21:** [Chen JJ, Janssen BJ, Williams A, Sinha N.](#)

[Related Articles, Links](#)



A gene fusion at a homeobox locus: alterations in leaf shape and implications for morphological evolution.

Plant Cell. 1997 Aug;9(8):1289-304.

PMID: 9286107 [PubMed - indexed for MEDLINE]

☐ **22:** [Cramer A, Dawes G, Rodriguez E Jr, Silver S, Stemmer WP.](#)

[Related Articles, Links](#)



Molecular evolution of an arsenate detoxification pathway by DNA shuffling.

Nat Biotechnol. 1997 May;15(5):436-8.

PMID: 9131621 [PubMed - indexed for MEDLINE]

☐ **23:** [de Chateau M, Bjorck L.](#)

[Related Articles, Links](#)



Identification of interdomain sequences promoting the intronless evolution of a bacterial protein family.

Proc Natl Acad Sci U S A. 1996 Aug 6;93(16):8490-5.

PMID: 8710897 [PubMed - indexed for MEDLINE]

☐ **24:** [Schiff C, Milili M, Zucman-Rossi J, Djabali M, Fougereau M.](#)

[Related Articles, Links](#)



Composite exon structure of an unusual Ig lambda-like gene located at human 22q11 position.

Mamm Genome. 1996 Aug;7(8):598-602.

PMID: 8678981 [PubMed - indexed for MEDLINE]

☐ **25:** [Fisch I, Kontermann RE, Finnern R, Hartley O, Soler-Gonzalez AS, Griffiths AD, Winter G.](#)

[Related Articles, Links](#)



A strategy of exon shuffling for making large peptide repertoires displayed on filamentous bacteriophage.

Proc Natl Acad Sci U S A. 1996 Jul 23;93(15):7761-6.

PMID: 8755549 [PubMed - indexed for MEDLINE]

☐ **26:** [Zhao X, Siu CH.](#)

[Related Articles, Links](#)



Differential effects of two hydrocephalus/MASA syndrome-related mutations on the homophilic binding and neuritogenic activities of the cell adhesion molecule L1.

J Biol Chem. 1996 Mar 22;271(12):6563-6.

PMID: 8636066 [PubMed - indexed for MEDLINE]

[Related Resources](#)[Order Documents](#)[NLM Mobile](#)[NLM Catalog](#)[NLM Gateway](#)[TOXNET](#)[Consumer Health](#)[Clinical Alerts](#)[ClinicalTrials.gov](#)[PubMed Central](#)

27: [Crameri A, Whitehorn EA, Tate E, Stemmer WP.](#)

[Related Articles, Links](#)



Improved green fluorescent protein by molecular evolution using DNA shuffling.

Nat Biotechnol. 1996 Mar;14(3):315-9.

PMID: 9630892 [PubMed - indexed for MEDLINE]

28: [Hamann J, Hartmann E, van Lier RA.](#)

[Related Articles, Links](#)



Structure of the human CD97 gene: exon shuffling has generated a new type of seven-span transmembrane molecule related to the secretin receptor superfamily.

Genomics. 1996 Feb 15;32(1):144-7.

PMID: 8786105 [PubMed - indexed for MEDLINE]

29: [Ohlin M, Owman H, Mach M, Borrebaeck CA.](#)

[Related Articles, Links](#)



Light chain shuffling of a high affinity antibody results in a drift in epitope recognition.

Mol Immunol. 1996 Jan;33(1):47-56.

PMID: 8604223 [PubMed - indexed for MEDLINE]

30: [Manfioletti G, Rustighi A, Mantovani F, Goodwin GH, Giancotti V.](#)

[Related Articles, Links](#)



Isolation and characterization of the gene coding for murine high-mobility-group protein HMGI-C.

Gene. 1995 Dec 29;167(1-2):249-53.

PMID: 8566786 [PubMed - indexed for MEDLINE]

31: [Zhao C, Ganz T, Lehrer RI.](#)

[Related Articles, Links](#)



Structures of genes for two cathelin-associated antimicrobial peptides: prophenin-2 and PR-39.

FEBS Lett. 1995 Dec 4;376(3):130-4.

PMID: 7498526 [PubMed - indexed for MEDLINE]

32: [Van den Bergh F, Sabina RL.](#)

[Related Articles, Links](#)



Characterization of human AMP deaminase 2 (AMPD2) gene expression reveals alternative transcripts encoding variable N-terminal extensions of isoform L.

Biochem J. 1995 Dec 1;312 (Pt 2):401-10.

PMID: 8526848 [PubMed - indexed for MEDLINE]

33: [Stemmer WP, Crameri A, Ha KD, Brennan TM, Heyneker HL.](#)

[Related Articles, Links](#)



Single-step assembly of a gene and entire plasmid from large numbers of oligodeoxyribonucleotides.

Gene. 1995 Oct 16;164(1):49-53.

PMID: 7590320 [PubMed - indexed for MEDLINE]

34: [Hill CW, Feulner G, Brody MS, Zhao S, Sadosky AB, Sandt CH.](#)

[Related Articles, Links](#)



Correlation of Rhs elements with Escherichia coli population structure.

Genetics. 1995 Sep;141(1):15-24.

PMID: 8536964 [PubMed - indexed for MEDLINE]

35: [Little M, Breitling F, Dubel S, Fuchs P, Braunagel M.](#)

[Related Articles, Links](#)



Human antibody libraries in Escherichia coli.

J Biotechnol. 1995 Jul 31;41(2-3):187-95. Review.

PMID: 7654349 [PubMed - indexed for MEDLINE]

- 36: [Ames RS, Tornetta MA, McMillan LJ, Kaiser KF, Holmes SD, Appelbaum E, Cusimano DM, Theisen TW, Gross MS, Jones CS, et al.](#) [Related Articles, Links](#)



Neutralizing murine monoclonal antibodies to human IL-5 isolated from hybridomas and a filamentous phage Fab display library.

J Immunol. 1995 Jun 15;154(12):6355-64.

PMID: 7759873 [PubMed - indexed for MEDLINE]

- 37: [Yamanaka HI, Kirii Y, Ohmoto H.](#) [Related Articles, Links](#)



An improved phage display antibody cloning system using newly designed PCR primers optimized for Pfu DNA polymerase.

J Biochem (Tokyo). 1995 Jun;117(6):1218-27.

PMID: 7490263 [PubMed - indexed for MEDLINE]

- 38: [Giger RJ, Vogt L, Zuellig RA, Rader C, Henchan-Beatty A, Wolfer DP, Sonderegger P.](#) [Related Articles, Links](#)



The gene of chicken axonin-1. Complete structure and analysis of the promoter.

Eur J Biochem. 1995 Feb 1;227(3):617-28.

PMID: 7867620 [PubMed - indexed for MEDLINE]

- 39: [Stemmer WP.](#) [Related Articles, Links](#)



DNA shuffling by random fragmentation and reassembly: in vitro recombination for molecular evolution.

Proc Natl Acad Sci U S A. 1994 Oct 25;91(22):10747-51.

PMID: 7938023 [PubMed - indexed for MEDLINE]

- 40: [Feuerbach D, Etteldorf S, Ebenau-Jehle C, Abastado JP, Madden D, Burgert HG.](#) [Related Articles, Links](#)



Identification of amino acids within the MHC molecule important for the interaction with the adenovirus protein E3/19K.

J Immunol. 1994 Aug 15;153(4):1626-36.

PMID: 8046235 [PubMed - indexed for MEDLINE]

Items 21 - 40 of 52

Previous **Page** 2 of 3 Next

Display **Summary** Show 20 Sort by Send to

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Oct 2 2006 08:20:36



A service of the National Library of Medicine
and the National Institutes of Health

My NCBI
[Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for polynucleotide shuffling Go Clear Save Search

☒ Limits Preview/Index History Clipboard Details

Limits: Publication Date to 2001/05/17

About Entrez

Display Summary Show 20 Sort by Send to

Text Version

All: 52 Review: 1 ☒

Entrez PubMed

Items 41 - 52 of 52

Previous Page 3 of 3

Overview

Help | FAQ

Tutorials

New/Noteworthy E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

Related Resources

Order Documents

NLM Mobile

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

☐ 41: Stemmer WP. Related Articles, Links



Rapid evolution of a protein in vitro by DNA shuffling.

Nature. 1994 Aug 4;370(6488):389-91.

PMID: 8047147 [PubMed - indexed for MEDLINE]

☐ 42: de Chateau M, Bjorck L. Related Articles, Links



Protein PAB, a mosaic albumin-binding bacterial protein representing the first contemporary example of module shuffling.

J Biol Chem. 1994 Apr 22;269(16):12147-51.

PMID: 8163519 [PubMed - indexed for MEDLINE]

☐ 43: Jarrell KA. Related Articles, Links



Inverse splicing of a group II intron.

Proc Natl Acad Sci U S A. 1993 Sep 15;90(18):8624-7.

PMID: 8378340 [PubMed - indexed for MEDLINE]

☐ 44: Tittiger C, Whyard S, Walker VK. Related Articles, Links



A novel intron site in the triosephosphate isomerase gene from the mosquito Culex tarsalis.

Nature. 1993 Feb 4;361(6411):470-2.

PMID: 8429888 [PubMed - indexed for MEDLINE]

☐ 45: Collet TA, Roben P, O'Kennedy R, Barbas CF 3rd, Burton DR, Lerner RA. Related Articles, Links



A binary plasmid system for shuffling combinatorial antibody libraries.

Proc Natl Acad Sci U S A. 1992 Nov 1;89(21):10026-30.

PMID: 1438192 [PubMed - indexed for MEDLINE]

☐ 46: Nolan KF, Kaluz S, Higgins JM, Goundis D, Reid KB. Related Articles, Links



Characterization of the human properdin gene.

Biochem J. 1992 Oct 1;287 (Pt 1):291-7.

PMID: 1417780 [PubMed - indexed for MEDLINE]

☐ 47: Brown S. Related Articles, Links



Engineered iron oxide-adhesion mutants of the Escherichia coli phage lambda receptor.

Proc Natl Acad Sci U S A. 1992 Sep 15;89(18):8651-5.

PMID: 1528875 [PubMed - indexed for MEDLINE]

☐ **48:** [Boyce-Jacino MT, O'Donoghue K, Faras AJ.](#) [Related Articles](#), [Links](#)



Multiple complex families of endogenous retroviruses are highly conserved in the genus Gallus.

J Virol. 1992 Aug;66(8):4919-29.

PMID: 1321278 [PubMed - indexed for MEDLINE]

☐ **49:** [Theill LE, Hattori K, Lazzaro D, Castrillo JL, Karin M.](#) [Related Articles](#), [Links](#)



Differential splicing of the GHF1 primary transcript gives rise to two functionally distinct homeodomain proteins.

EMBO J. 1992 Jun;11(6):2261-9.

PMID: 1600947 [PubMed - indexed for MEDLINE]

☐ **50:** [Nadler SG, Kapouch JL, Elliott JI, Williams KR.](#) [Related Articles](#), [Links](#)



Shuffling of amino acid sequence: an important control in synthetic peptide studies of nucleic acid-binding domains. Binding properties of fragments of a conserved eukaryotic RNA binding motif.

J Biol Chem. 1992 Feb 25;267(6):3750-7.

PMID: 1740426 [PubMed - indexed for MEDLINE]

☐ **51:** [Kallunki P, Tryggvason K.](#) [Related Articles](#), [Links](#)



Human basement membrane heparan sulfate proteoglycan core protein: a 467-kD protein containing multiple domains resembling elements of the low density lipoprotein receptor, laminin, neural cell adhesion molecules, and epidermal growth factor.

J Cell Biol. 1992 Jan;116(2):559-71.

PMID: 1730768 [PubMed - indexed for MEDLINE]

☐ **52:** [Brown SC, Shafer RH.](#) [Related Articles](#), [Links](#)



Kinetic studies of actinomycin D binding to mono-, oligo-, and polynucleotides.

Biochemistry. 1987 Jan 13;26(1):277-82.

PMID: 3828303 [PubMed - indexed for MEDLINE]

Items 41 - 52 of 52

[Previous](#)

Page

3

of 3

Display Show Sort by Send to

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Oct 2 2006 08:20:36

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"method of obtaining polynucleotide fragments"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 19:47
L2	7	" obtaining polynucleotide fragments"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 19:47
L3	306	"polynucleotide shuffling"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 19:48
L4	58374	mutagenesis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 19:48
L5	7291	heteroduplex	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 19:48
L6	61045	cleave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 19:48
L7	30	I3 I4 I5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/10/05 19:49
L8	0	I3 I4 I5 I2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/10/05 19:49
L9	7676	"polynucleotide fragments"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/10/05 19:49

EAST Search History

L10	3926	"repair system"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/10/05 19:50
L11	0	mismatch cleave base pairs	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2006/10/05 19:50
L12	36558	"directed mutagenesis"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/05 19:51
L13	50973	hybridizing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/05 19:52
L14	3	successive directed mutagenesis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2006/10/05 19:54
L15	1660	"repair enzyme"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2006/10/05 19:55
L16	39	mismatch near3 parent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2006/10/05 19:55
L17	0	(cleave or cleaves) near3 mismathces	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2006/10/05 19:57
L18	1529	"dupret.in" lefevre.in. fourage.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/05 19:57